

Marios Pattichis: "Developing Industrial Methods for Large-scale Video Analysis: Some Lessons Learned"



Marios S. Pattichis is a Professor of Electrical and Computer Engineering at the University of New Mexico. He has received 10 patents on image and video processing methods that range from the computation of image and video representations, biomedical image analysis, the computation of 2D convolutions and cross-correlations on FPGAs and GPUs, and adaptive control of rate, quality and computational complexity for video coding and delivery. His patents and software are currently being used by a small number of companies working in Biomedical image and video analysis and delivery. He is currently serving as a Senior Associate Editor of the IEEE Transactions on Image Processing and a lead guest-editor of a special issue on "Large scale video analytics for clinical decision support," to be published by the IEEE Biomedical and Health Informatics. He received his B.Sc. in Computer Sciences with high honors and special honors, the B.A. in Mathematics with high honors, the M.Sc. in Electrical Engineering, and the Ph.D. in Computer Engineering, all from the University of Texas at Austin.